

We claim:

1. A player for reading data from an optical disc having data disposed along a spiral comprising:

a rotation detector that detects the direction in which the disc has to be rotated in order to read the data;

a controller coupled to said rotation detector and generating a command in response;

a motor receiving said command and rotating said disc; and

a first laser head positioned to read the data from the disc as the disc is rotated by the motor.

2. The player of claim 1 wherein the disc includes rotation indicia indicating said rotation and wherein said rotation detector detects said rotation indicia.

3. The player of claim 1 wherein said disc has two data sides, further comprising a first and a second laser head positioned adjacent to respective sides of the disc.

4. The player of claim 3 wherein said laser heads read data from said sides sequentially.

5. The player of claim 4 wherein said laser heads read data from said

sides simultaneously.

6. The player of claim 1 wherein said disc has a data side with at least two data layers, wherein said laser head is adapted to read data selectively from one or the other of said data layers.

7. The player of claim 1 further comprising a manual selector, said rotation detector being coupled to said manual selector.

8. A player reading data from a double-sided disc having at least one of two configurations, in one configuration the disc having data arranged along a right handed spiral on one side and a left handed spiral on the other side, in the second configuration the disc having data arranged in spirals in the same direction on both sides, comprising:

a disc detector that detects whether the disc inserted into the player has the first or the second configuration;

a controller coupled to said rotation detector and generating a command in response;

a motor receiving said command and rotating said disc in a corresponding direction; and

a first laser head positioned to read the data from the disc as the disc is rotated by the motor.

9. The player of claim 8 further comprising a manual selector used to select the type of disc being inserted into the player, said disc detector being coupled to said manual detector.

10. The player of claim 8 further comprising a second laser head, said first laser head reading data from a first side of the disc and said second laser head reading data from the second side of the disc.

11. The player of claim 8 wherein said motor rotates the disc in the same direction while data is being read from either side of the disc.

12. The player of claim 8 wherein said motor rotates the disc in one direction when reading data from one side and the other direction when reading data from the other side.

13. The player of claim 8 wherein the disc includes at least two data layers on one side and said first laser disc reads data selectively from said data layers.

14. The player of claim 8 wherein said disc detector reads data from the disc to detect a direction of rotation for the disc.

15. The player of claim 8 wherein said detector reads reverse data from

the disc.

16. The player of claim 8 wherein said disc detector cooperates with said motor to rotate said disc in one of a first and second direction to determine the configuration of the disc.

17. A method of playing discs comprising:

inserting a disc in a player;

determining if a disc requires a first or a second direction of rotation;

rotating the disc in the required direction of rotation; and

reading data from the disc.

18. The method of claim 17 wherein said step of determining includes receiving a selection signal from the user.

19. The method of claim 17 further comprising rotating the disc in a predetermined direction for either side of the disc.

20. The method of claim 17 further comprising rotating the disc in a first direction for the first side of the disc and rotating the disc in an opposite direction for the second side of the disc.